

## PCR COMPATIBLE NUCLEIC ACID SIEVING MEDIUM

### ABSTRACT OF THE DISCLOSURE

Sieving mediums comprising less than about 0.5% polymer, less than about 0.4% polymer, and 0.35% polymer or less are used to perform nucleic acid separations and PCR. The low polymer concentration does not inhibit PCR reactions and is sufficient for performing nucleic acids separations. Microfluidic devices are used to perform nucleic acids separations and PCR reactions in the sieving mediums described.